

What is claimed is:

1. A kit for performing a binding assay comprising:
  - a hybridization chamber having a generally planar substrate including a specimen area containing at least one biomolecule; and
  - a frame surrounding at least a portion of the specimen area, the frame defining walls of a well for containing a fluid when the frame is in contact with the substrate, the frame including a connector adapted to connect to tubing for supplying fluids to the well, wherein the connector is integrally formed with said frame and selected from the group consisting of male luer fittings, female luer fittings, flanged fittings, flangeless fittings, threaded fittings and barbed fittings and said frame is self-adhering to said substrate.
2. The kit according to claim 1, wherein the kit further includes a slide for printing a high-density microarray of biomolecules.
3. The kit according to claim 1, wherein the kit further includes a microarray of nucleic acid.